

Christoph Stihler

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7847168/publications.pdf>

Version: 2024-02-01

17
papers

402
citations

1307594

7
h-index

1474206

9
g-index

17
all docs

17
docs citations

17
times ranked

208
citing authors

#	ARTICLE	IF	CITATIONS
1	Transverse Mode Instability in High-Power Fiber Laser Systems: a "Hot Topic". , 2021, , .		0
2	Control and stabilization of the modal content of fiber amplifiers using traveling waves. Optics Express, 2021, 29, 34452.	3.4	1
3	Intensity noise as a driver for transverse mode instability in fiber amplifiers. PhotonIX, 2020, 1, .	13.5	41
4	Transverse mode instability. Advances in Optics and Photonics, 2020, 12, 429.	25.5	174
5	Pump-Power-Noise Influence on Mode Instabilities in High-Power Fiber Laser Systems. , 2019, , .		1
6	342 Åµm lasing in heavily-erbium-doped fluoride fibers. Optics Express, 2019, 27, 2170.	3.4	37
7	The impact of pump-power noise on transverse mode instabilities. , 2019, , .		5
8	Origin and evolution of phase-shifts in high-power fiber laser systems: detailed insights into TMI. , 2019, , .		5
9	Modal energy transfer by thermally induced refractive index gratings in Yb-doped fibers. Light: Science and Applications, 2018, 7, 59.	16.6	46
10	Pump-modulation-induced beam stabilization in high-power fiber laser systems above the mode instability threshold. Optics Express, 2018, 26, 10691.	3.4	42
11	Phase-shift evolution of the thermally-induced refractive index grating in high-power fiber laser systems induced by pump-power variations. Optics Express, 2018, 26, 19489.	3.4	24
12	Towards the control of the modal energy transfer in transverse mode instabilities. , 2018, , .		3
13	Transverse mode instabilities in burst operation of high-power fiber laser systems. , 2018, , .		7
14	Controlling mode instabilities at 628 W average output power in an Yb-doped rod-type fiber amplifier by active modulation of the pump power. Proceedings of SPIE, 2017, , .	0.8	1
15	Experimental investigation of transverse mode instabilities in a double-pass Yb-doped rod-type fiber amplifier. Proceedings of SPIE, 2017, , .	0.8	9
16	Dependence of the mode instability threshold of high-power fiber laser systems on core co-dopants. , 2017, , .		1
17	Mitigation of mode instabilities in high-power fiber laser systems by active modulation of the pump power. , 2017, , .		5